

## EAST Search History

| Ref # | Hits | Search Query    | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|-----------------|-----------------|------------------|---------|------------------|
| L1    | 1    | ("7118566").PN. | USPAT;<br>USOCR | OR               | OFF     | 2008/01/06 12:04 |

# EAST Search History

|    |     |  |                                 |     |                  |
|----|-----|--|---------------------------------|-----|------------------|
| L5 | 364 | ("20030045872"   "20030144656"  <br>"20030191462"   "20030216724"  <br>"20040002647"   "20040015106"  <br>"20040015219"   "20040044340"  <br>"20040049179"   "20040078069"  <br>"20040082948"   "20040087940"  <br>"20040092926"   "20040138621"  <br>"20040138656"   "20040143260"  <br>"20040186465"   "20040215183"  <br>"20040220560"   "20040236322"  <br>"20040267326"   "20050010095"  <br>"20050033280"   "20050090815"  <br>"20050143729"   "20050165392"  <br>"20050209564"   "20050267454"  <br>"20060009756"   "20060009759"  <br>"3736936"   "3807403"   "3823575"<br>  "3823718"   "3827436"  <br>"3830239"   "3859986"   "3862627"<br>  "3886945"   "3907339"  <br>"3910277"   "3913581"   "3924628"<br>  "4018227"   "4022215"  <br>"4061135"   "4063560"   "4072152"<br>  "4082096"   "4204438"  <br>"4207897"   "4248224"   "4275734"<br>  "4278090"   "4377168"  <br>"4519389"   "4598698"   "4601290"<br>  "4664110"   "4719825"  <br>"4736749"   "4779611"   "4802475"<br>  "4815470"   "4872346"  <br>"4916922"   "4917095"   "4936281"<br>  "4946460"   "4985030"  <br>"5013312"   "5029574"   "5044165"<br>  "5078713"   "5080102"  <br>"5080660"   "5100388"   "5108390"<br>  "5147355"   "5178133"  <br>"5207674"   "5217860"   "5222501"<br>  "5224943"   "5228923"  <br>"5231995"   "5232516"   "5254116"<br>  "5263493"   "5269291"  <br>"5275595"   "5277201"   "5281213"<br>  "5281215"   "5295484"  <br>"5295956"   "5309896"   "5316000"<br>  "5317878"   "5318525"  <br>"5322520"   "5323781"   "5324255"<br>  "5324284"   "5324286"  <br>"5334181"   "5334193"   "5348554"<br>  "5353783"   "5354258"  <br>"5361752"   "5385148"   "5396887"<br>  "5397304"   "5400770".PN. OR<br>("5400783"   "5403309"   "5403311"<br>  "5405376"   "5409483"  <br>"5423807"   "5423811"   "5427119"<br>  "5431649"   "5433708"  <br>"5435308"   "5437651"   "5443463"<br>  "5443470"   "5450843"  <br>"5452582"   "5452733"   "5462545"<br>  "5465717"   "5469853"  <br>"5472876"   "5478309"   "5478330"<br>  "5486102"   "5487385" | US-PGPUB; OR<br>USPAT;<br>USOCR | OFF | 2008/01/06 12:04 |
|----|-----|--|---------------------------------|-----|------------------|

## EAST Search History

|    |   |                   |       |    |     |                  |
|----|---|-------------------|-------|----|-----|------------------|
| L7 | 0 | ("7118566").URPN. | USPAT | OR | OFF | 2008/01/06 12:07 |
|----|---|-------------------|-------|----|-----|------------------|

# EAST Search History

|     |     |  |                                 |     |                  |
|-----|-----|--|---------------------------------|-----|------------------|
| L11 | 364 | ("20030045872"   "20030144656"  <br>"20030191462"   "20030216724"  <br>"20040002647"   "20040015106"  <br>"20040015219"   "20040044340"  <br>"20040049179"   "20040078069"  <br>"20040082948"   "20040087940"  <br>"20040092926"   "20040138621"  <br>"20040138656"   "20040143260"  <br>"20040186465"   "20040215183"  <br>"20040220560"   "20040236322"  <br>"20040267326"   "20050010095"  <br>"20050033280"   "20050090815"  <br>"20050143729"   "20050165392"  <br>"20050209564"   "20050267454"  <br>"20060009756"   "20060009759"  <br>"3736936"   "3807403"   "3823575"<br>  "3823718"   "3827436"  <br>"3830239"   "3859986"   "3862627"<br>  "3886945"   "3907339"  <br>"3910277"   "3913581"   "3924628"<br>  "4018227"   "4022215"  <br>"4061135"   "4063560"   "4072152"<br>  "4082096"   "4204438"  <br>"4207897"   "4248224"   "4275734"<br>  "4278090"   "4377168"  <br>"4519389"   "4598698"   "4601290"<br>  "4664110"   "4719825"  <br>"4736749"   "4779611"   "4802475"<br>  "4815470"   "4872346"  <br>"4916922"   "4917095"   "4936281"<br>  "4946460"   "4985030"  <br>"5013312"   "5029574"   "5044165"<br>  "5078713"   "5080102"  <br>"5080660"   "5100388"   "5108390"<br>  "5147355"   "5178133"  <br>"5207674"   "5217860"   "5222501"<br>  "5224943"   "5228923"  <br>"5231995"   "5232516"   "5254116"<br>  "5263493"   "5269291"  <br>"5275595"   "5277201"   "5281213"<br>  "5281215"   "5295484"  <br>"5295956"   "5309896"   "5316000"<br>  "5317878"   "5318525"  <br>"5322520"   "5323781"   "5324255"<br>  "5324284"   "5324286"  <br>"5334181"   "5334193"   "5348554"<br>  "5353783"   "5354258"  <br>"5361752"   "5385148"   "5396887"<br>  "5397304"   "5400770".PN. OR<br>("5400783"   "5403309"   "5403311"<br>  "5405376"   "5409483"  <br>"5423807"   "5423811"   "5427119"<br>  "5431649"   "5433708"  <br>"5435308"   "5437651"   "5443463"<br>  "5443470"   "5450843"  <br>"5452582"   "5452733"   "5462545"<br>  "5465717"   "5469853"  <br>"5472876"   "5478309"   "5478330"<br>  "5486103"   "5487385" | US-PGPUB; OR<br>USPAT;<br>USOCR | OFF | 2008/01/06 12:08 |
|-----|-----|--|---------------------------------|-----|------------------|

## EAST Search History

|     |     |  |                              |    |     |                  |
|-----|-----|--|------------------------------|----|-----|------------------|
| L12 | 1   | ("5840061").PN.  | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 12:08 |
| L13 | 11  | ("3490696"   "3788315"   "4596556"<br>  "4913699"   "5024656"  <br>"5116313"   "5160336"   "5256142"<br>  "5304147"   "5569189").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:09 |
| L14 | 118 | I5 and (jet or inject\$4)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:15 |
| L15 | 1   | ("6475753").PN.  | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 12:15 |
| L16 | 55  | ((("20030163111") or<br>("20040111055") or ("6376515") or<br>("6296847") or ("5685853") or<br>("6322790") or ("6383492") or<br>("5613951") or ("6203526") or<br>("4813928") or ("5354279") or<br>("6206930") or ("4413987") or<br>("4421505") or ("4578061") or<br>("4767415") or ("4776841") or<br>("4784646") or ("4865583") or<br>("4936835") or ("4960409") or<br>("5195988") or ("5300045") or<br>("5741271") or ("5836911") or<br>("5853399") or ("5882331") or<br>("5997547") or ("6004295") or<br>("6102887") or ("6113581") or<br>("6193763") or ("6258998") or<br>("6265387") or ("6287275") or<br>("6309375") or ("6346099") or<br>("6395958") or ("6408203") or<br>("6432081") or ("6444192") or<br>("7218962") or ("7218962") or<br>("20010007937") or<br>("20010027296") or<br>("20030161824") or<br>("20030171723") or<br>("20030187320") or<br>("20040044329") or<br>("20050049459") or<br>("20050065483") or<br>("20060190022") or ("6262047") or<br>("6312924") or ("6333321") or<br>("6361985"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:19 |
| L17 | 2   | ((("20030163111") or<br>("20040111055"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:19 |
| L18 | 0   | ("2004/0111055").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:19 |
| L19 | 1   | ("2003/0163111").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:19 |

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| L20 | 6  | ((("6376515") or ("6296847") or ("5685853") or ("6322790") or ("6383492") or ("5613951"))).PN.  | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 12:20 |
| L21 | 29 | ("5685853").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:23 |
| L22 | 15 | ((("6203526") or ("4813928") or ("5354279") or ("6206930") or ("4413987") or ("4421505") or ("4578061") or ("4767415") or ("4776841") or ("4784646") or ("4865583") or ("4936835") or ("4960409") or ("5195988") or ("5300045"))).PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 12:23 |
| L23 | 32 | ((("5741271") or ("5836911") or ("5853399") or ("5882331") or ("5997547") or ("6004295") or ("6102887") or ("6113581") or ("6193763") or ("6258998") or ("6265387") or ("6287275") or ("6309375") or ("6346099") or ("6395958") or ("6408203") or ("6432081") or ("6444192") or ("7218962") or ("7218962") or ("20010007937") or ("20010027296") or ("20030161824") or ("20030171723") or ("20030187320") or ("20040044329") or ("20050049459") or ("20050065483") or ("20060190022") or ("6262047") or ("6312924") or ("6333321") or ("6361985"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:24 |
| L24 | 19 | ((("5741271") or ("5836911") or ("5853399") or ("5882331") or ("5997547") or ("6004295") or ("6102887") or ("6113581") or ("6193763") or ("6258998") or ("6265387") or ("6287275") or ("6309375") or ("6346099") or ("6395958") or ("6408203") or ("6432081") or ("6444192") or ("7218962") or ("7218962"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:24 |
| L25 | 11 | ("6346099").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:24 |

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| L26 | 29 | ("2554352"   "2691372"   "4994067"<br>  "5002067"   "5016640"  <br>"5030204"   "5236424"   "5324325"<br>  "5378234"   "5385148"  <br>"5405376"   "5431649"   "5441499"<br>  "5447533"   "5474543"  <br>"5531780"   "5542926"   "5551427"<br>  "5609151"   "5661133"  <br>"5698531"   "5704910"   "5722400"<br>  "5873852"   "5980516"  <br>"6004295"   "6102887").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:25 |
| L27 | 40 | ("5474543").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:26 |
| L28 | 9  | ("5474543"   "5507757"   "5814065"<br>  "5860425"   "5938668"  <br>"D275885"   "D320080"   "D357535"<br>  "D368776").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:29 |
| L29 | 0  | ("D441078").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:30 |
| L30 | 0  | ("D441078").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:30 |
| L31 | 15 | ("6309375").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:32 |

## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| L32 | 95 | ("3773034"   "3952742"   "4163204"<br>  "4296100"   "4320392"  <br>"4469091"   "4531936"   "4657536"<br>  "4736640"   "4763534"  <br>"4770653"   "4847586"   "4904184"<br>  "4911148"   "4946442"  <br>"4994033"   "5061273"   "5185004"<br>  "5203772"   "5244460"  <br>"5339799"   "5341687"   "5385148"<br>  "5396887"   "5414940"  <br>"5419777"   "5429006"   "5489575"<br>  "5499971"   "5507724"  <br>"5520188"   "5526703"   "5553500"<br>  "5569160"   "5569217"  <br>"5571215"   "5578766"   "5583303"<br>  "5591195"   "5604314"  <br>"5645531"   "5653684"   "5661133"<br>  "5662124"   "5693029"  <br>"5698531"   "5725523"   "5733280"<br>  "5755714"   "5797870"  <br>"5797960"   "5820592"   "5827216"<br>  "5830993"   "5833658"  <br>"5840031"   "5840059"   "5840062"<br>  "5843050"   "5846221"  <br>"5855577"   "5857464"   "5860953"<br>  "5871495"   "5876373"  <br>"5882332"   "5885272"   "5886615"<br>  "5891133"   "5925012"  <br>"5931831"   "5935063"   "5941845"<br>  "5941868"   "5964754"  <br>"5971983"   "5989700"   "5993443"<br>  "5997525"   "6004269"  <br>"6012457"   "6024703"   "6063022"<br>  "6133233"   "6161543"  <br>"6171276"   "6171303"   "6179809"<br>  "6183444"   "6224584"  <br>"6237605"   "6309370"   "6309375"<br>  "6314962"   "6314963").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:35 |
| L33 | 0  | ("7211063").URPN.  | USPAT                        | OR | OFF | 2008/01/06 12:41 |



# EAST Search History

|     |     |   |                                 |     |                  |
|-----|-----|---|---------------------------------|-----|------------------|
| L34 | 175 | ("1846596"   "20010034501"  <br>"2491978"   "2699166"   "3057349"<br>  "3424154"   "3773034"  <br>"3859996"   "3952742"   "4171852"<br>  "4204528"   "4243035"  <br>"4266541"   "4296100"   "4447225"<br>  "4531936"   "4576591"  <br>"4592742"   "4657536"   "4680027"<br>  "4767416"   "4770653"  <br>"4838850"   "4846814"   "4861339"<br>  "4898574"   "4911148"  <br>"4946442"   "4994033"   "5034003"<br>  "5061273"   "5064413"  <br>"5100792"   "5106370"   "5114423"<br>  "5130141"   "5179022"  <br>"5185004"   "5197946"   "5203772"<br>  "5228883"   "5244460"  <br>"5307803"   "5308324"   "5322511"<br>  "5328470"   "5336178"  <br>"5356388"   "5370685"   "5372587"<br>  "5380279"   "5383851"  <br>"5385148"   "5389096"   "5395312"<br>  "5397339"   "5399163"  <br>"5409000"   "5419777"   "5429131"<br>  "5431168"   "5474540"  <br>"5476100"   "5480381"   "5480382"<br>  "5489575"   "5492119"  <br>"5499971"   "5507724"   "5520639"<br>  "5569160"   "5569217"  <br>"5571088"   "5571215"   "5580859"<br>  "5589466"   "5591195"  <br>"5630795"   "5642730"   "5652225"<br>  "5653684"   "5661133"  <br>"5662124"   "5693029"   "5693622"<br>  "5698531"   "5703055"  <br>"5707969"   "5713851"   "5725523"<br>  "5730723"   "5733280"  <br>"5739118"   "5760081"   "5764714"<br>  "5772590"   "5782239"  <br>"5782802"   "5792453"   "5797870"<br>  "5797960"   "5803083"  <br>"5807306"   "5820592"   "5827216"<br>  "5830993"   "5833658"  <br>"5836905"   "5837533"   "5840031"<br>  "5840059"   "5840062"  <br>"5843050"   "5845646"   "5846221"<br>  "5846225"   "5846946"  <br>"5854209"   "5857464"   "5860953"<br>  "5861397"   "5865811"  <br>"5871462"   "5871495").PN. OR<br>("5876373"   "5882332"   "5885272"<br>  "5891086"   "5891133"  <br>"5891136"   "5931831"   "5935063"<br>  "5941845"   "5941868"  <br>"5947988"   "5951516"   "5964754"<br>  "5971983"   "5993443"  <br>"5997509"   "5997525"   "6004269"<br>  "6006123"   "6007531"  <br>"6012457"   "6017377"   "6024703" | US-PGPUB; OR<br>USPAT;<br>USOCR | OFF | 2008/01/06 12:45 |
|-----|-----|---|---------------------------------|-----|------------------|

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| L35 | 1  | ("2001/0034501").URPN.  | USPAT                        | OR | OFF | 2008/01/06 12:51 |
| L36 | 13 | ((("20010007937") or<br>("20010027296") or<br>("20030161824") or<br>("20030171723") or<br>("20030187320") or<br>("20040044329") or<br>("20050049459") or<br>("20050065483") or<br>("20060190022") or ("6262047") or<br>("6312924") or ("6333321") or<br>("6361985"))).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:52 |
| L37 | 1  | ("7211063").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:52 |
| L38 | 2  | ((("7211063") or ("6695808"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:52 |

## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| L39 | 95 | ("3773034"   "3952742"   "4163204"<br>  "4296100"   "4320392"  <br>"4469091"   "4531936"   "4657536"<br>  "4736640"   "4763534"  <br>"4770653"   "4847586"   "4904184"<br>  "4911148"   "4946442"  <br>"4994033"   "5061273"   "5185004"<br>  "5203772"   "5244460"  <br>"5339799"   "5341687"   "5385148"<br>  "5396887"   "5414940"  <br>"5419777"   "5429006"   "5489575"<br>  "5499971"   "5507724"  <br>"5520188"   "5526703"   "5553500"<br>  "5569160"   "5569217"  <br>"5571215"   "5578766"   "5583303"<br>  "5591195"   "5604314"  <br>"5645531"   "5653684"   "5661133"<br>  "5662124"   "5693029"  <br>"5698531"   "5725523"   "5733280"<br>  "5755714"   "5797870"  <br>"5797960"   "5820592"   "5827216"<br>  "5830993"   "5833658"  <br>"5840031"   "5840059"   "5840062"<br>  "5843050"   "5846221"  <br>"5855577"   "5857464"   "5860953"<br>  "5871495"   "5876373"  <br>"5882332"   "5885272"   "5886615"<br>  "5891133"   "5925012"  <br>"5931831"   "5935063"   "5941845"<br>  "5941868"   "5964754"  <br>"5971983"   "5989700"   "5993443"<br>  "5997525"   "6004269"  <br>"6012457"   "6024703"   "6063022"<br>  "6133233"   "6161543"  <br>"6171276"   "6171303"   "6179809"<br>  "6183444"   "6224584"  <br>"6237605"   "6309370"   "6309375"<br>  "6314962"   "6314963").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:53 |
|-----|----|--|------------------------------|----|-----|------------------|

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| L40 | 41 | ("4418688"   "4448188"   "4538613"   "4641650"   "4641912"   "4648892"   "4654024"   "4658817"   "4669467"   "4676231"   "4682594"   "4693556"   "4706656"   "4718417"   "4719912"   "4745920"   "4785815"   "4788975"   "4827906"   "4850351"   "4860743"   "4890898"   "4913142"   "4917084"   "4966148"   "4967745"   "4985029"   "4997431"   "5093877"   "5106386"   "5125926"   "5183040"   "5380316"   "5389096"   "5431628"   "5503156"   "5544656"   "5554152"   "5643327"   "5672170"   "5674217").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/06 12:55 |
| L41 | 13 | ("5993443").URPN.   | USPAT                        | OR | OFF | 2008/01/06 12:56 |
| L43 | 2  | ((("7211063") or ("6716190")).PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 14:45 |
| L44 | 1  | ("6709427").PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 15:04 |
| L45 | 1  | ("5840061").PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 15:37 |
| L46 | 2  | ("2653604").PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/06 15:37 |
| S1  | 35 | ("20020072709" "20030216724" "3425413" "3788315" "3859996" "4767416" "5024656" "5026343" "5049125" "5231540" "5489269" "5584807" "5833632" "5840061" "5899880" "5951531" "5997525" "6004287" "6168587" "6179584" "6251099" "6319230" "6344027" "6613026" "6623446" "6623449" "6689103" "6709427" "6716190" "6905475" "6942645" "6964649" "6979310" "6981961" "7056300").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2008/01/06 12:04 |
| S2  | 29 | ("20020072709" "20030216724" "3425413" "3788315" "3859996" "4767416" "5024656" "5049125" "5489269" "5584807" "5833632" "5840061" "5899880" "5951531" "5997525" "6004287" "6168587" "6179584" "6231540" "6317230" "6613026" "6623446" "6623449" "6689103" "6942645" "6964649" "6979310" "6981961" "7056300").PN.   | US-PGPUB;<br>USPAT           | OR | OFF | 2007/06/21 15:18 |
| S3  | 1  | ("6709427").PN.   | USPAT;<br>USOCR              | OR | OFF | 2007/06/22 13:10 |

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| S4  | 1  | ("20030163111").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/22 13:16 |
| S5  | 2  | ((("6709427") or ("6716190"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/22 16:48 |
| S6  | 3  | ((("6709427") or ("6716190") or ("6623449"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/22 15:21 |
| S7  | 1  | ("6905475").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/22 15:21 |
| S8  | 5  | ((("7056300") or ("6981961") or ("6979310") or ("6942645") or ("6623446"))).PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/22 16:50 |
| S9  | 2  | ((("3859996") or ("6168587"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/22 16:53 |
| S10 | 2  | ((("20030216724") or ("6964649"))).PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/06/22 16:53 |
| S11 | 1  | ("5840061").PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/05 21:57 |
| S12 | 3  | ((("5840061") or ("6623449") or ("6716190"))).PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/05 22:04 |
| S13 | 1  | ("6905475").PN.   | USPAT;<br>USOCR              | OR | OFF | 2008/01/05 22:04 |
| S14 | 22 | ("20020120238"   "20020143302"   "20020151867"   "20030018298"   "4461283"   "4674501"   "4892244"   "5031814"   "5156315"   "5292330"   "5306284"   "5322503"   "5542948"   "5562703"   "5630794"   "5672171"   "5840061"   "5861002"   "6033404"   "6231591"   "6261537"   "6461296").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/05 22:04 |
| S15 | 4  | ("4854302"   "5073166"   "5122122"   "5613950").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/05 22:06 |
| S16 | 14 | ("6461296").URPN.   | USPAT                        | OR | OFF | 2008/01/05 22:06 |

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| S17 | 40 | ("0557589"   "1314855"   "2706660"<br>  "3605744"   "3828780"  <br>"3850175"   "3948259"   "4402310"<br>  "4565200"   "4607622"  <br>"4668215"   "4673393"   "4760940"<br>  "4776840"   "4895565"  <br>"5007908"   "5069223"   "5071419"<br>  "5073166"   "5125910"  <br>"5144961"   "5186714"   "5188591"<br>  "5190541"   "5195958"  <br>"5197963"   "5219348"   "5230704"<br>  "5244459"   "5247966"  <br>"5273524"   "5281218"   "5295956"<br>  "5347990"   "5370675"  <br>"5385544").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/05 22:10 |
| S18 | 17 | ("6231591").URPN.   | USPAT                        | OR | OFF | 2008/01/05 22:11 |
| S19 | 11 | ("3490696"   "3788315"   "4596556"<br>  "4913699"   "5024656"  <br>"5116313"   "5160336"   "5256142"<br>  "5304147"   "5569189").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/05 22:13 |
| S20 | 21 | ("5840061").URPN.   | USPAT                        | OR | OFF | 2008/01/05 22:13 |
| S21 | 1  | ("6905475").URPN.   | USPAT                        | OR | OFF | 2008/01/05 22:17 |

# EAST Search History

|     |     |  |                                 |     |                  |
|-----|-----|--|---------------------------------|-----|------------------|
| S22 | 364 | ("20030045872"   "20030144656"  <br>"20030191462"   "20030216724"  <br>"20040002647"   "20040015106"  <br>"20040015219"   "20040044340"  <br>"20040049179"   "20040078069"  <br>"20040082948"   "20040087940"  <br>"20040092926"   "20040138621"  <br>"20040138656"   "20040143260"  <br>"20040186465"   "20040215183"  <br>"20040220560"   "20040236322"  <br>"20040267326"   "20050010095"  <br>"20050033280"   "20050090815"  <br>"20050143729"   "20050165392"  <br>"20050209564"   "20050267454"  <br>"20060009756"   "20060009759"  <br>"3736936"   "3807403"   "3823575"<br>  "3823718"   "3827436"  <br>"3830239"   "3859986"   "3862627"<br>  "3886945"   "3907339"  <br>"3910277"   "3913581"   "3924628"<br>  "4018227"   "4022215"  <br>"4061135"   "4063560"   "4072152"<br>  "4082096"   "4204438"  <br>"4207897"   "4248224"   "4275734"<br>  "4278090"   "4377168"  <br>"4519389"   "4598698"   "4601290"<br>  "4664110"   "4719825"  <br>"4736749"   "4779611"   "4802475"<br>  "4815470"   "4872346"  <br>"4916922"   "4917095"   "4936281"<br>  "4946460"   "4985030"  <br>"5013312"   "5029574"   "5044165"<br>  "5078713"   "5080102"  <br>"5080660"   "5100388"   "5108390"<br>  "5147355"   "5178133"  <br>"5207674"   "5217860"   "5222501"<br>  "5224943"   "5228923"  <br>"5231995"   "5232516"   "5254116"<br>  "5263493"   "5269291"  <br>"5275595"   "5277201"   "5281213"<br>  "5281215"   "5295484"  <br>"5295956"   "5309896"   "5316000"<br>  "5317878"   "5318525"  <br>"5322520"   "5323781"   "5324255"<br>  "5324284"   "5324286"  <br>"5334181"   "5334193"   "5348554"<br>  "5353783"   "5354258"  <br>"5361752"   "5385148"   "5396887"<br>  "5397304"   "5400770".PN. OR<br>("5400783"   "5403309"   "5403311"<br>  "5405376"   "5409483"  <br>"5423807"   "5423811"   "5427119"<br>  "5431649"   "5433708"  <br>"5435308"   "5437651"   "5443463"<br>  "5443470"   "5450843"  <br>"5452582"   "5452733"   "5462545"<br>  "5465717"   "5469853"  <br>"5472876"   "5478309"   "5478330"<br>  "5486103"   "5487385" | US-PGPUB; OR<br>USPAT;<br>USOCR | OFF | 2008/01/05 22:17 |
|-----|-----|--|---------------------------------|-----|------------------|

## EAST Search History

|     |   |                   |       |    |     |                  |
|-----|---|-------------------|-------|----|-----|------------------|
| S23 | 0 | ("7118566").URPN. | USPAT | OR | OFF | 2008/01/05 22:18 |
|-----|---|-------------------|-------|----|-----|------------------|



# EAST Search History

|     |     |   |                                 |     |                  |
|-----|-----|---|---------------------------------|-----|------------------|
| S24 | 364 | ("20030045872"   "20030144656"  <br>"20030191462"   "20030216724"  <br>"20040002647"   "20040015106"  <br>"20040015219"   "20040044340"  <br>"20040049179"   "20040078069"  <br>"20040082948"   "20040087940"  <br>"20040092926"   "20040138621"  <br>"20040138656"   "20040143260"  <br>"20040186465"   "20040215183"  <br>"20040220560"   "20040236322"  <br>"20040267326"   "20050010095"  <br>"20050033280"   "20050090815"  <br>"20050143729"   "20050165392"  <br>"20050209564"   "20050267454"  <br>"20060009756"   "20060009759"  <br>"3736936"   "3807403"   "3823575"  <br>"3823718"   "3827436"  <br>"3830239"   "3859986"   "3862627"  <br>"3886945"   "3907339"  <br>"3910277"   "3913581"   "3924628"  <br>"4018227"   "4022215"  <br>"4061135"   "4063560"   "4072152"  <br>"4082096"   "4204438"  <br>"4207897"   "4248224"   "4275734"  <br>"4278090"   "4377168"  <br>"4519389"   "4598698"   "4601290"  <br>"4664110"   "4719825"  <br>"4736749"   "4779611"   "4802475"  <br>"4815470"   "4872346"  <br>"4916922"   "4917095"   "4936281"  <br>"4946460"   "4985030"  <br>"5013312"   "5029574"   "5044165"  <br>"5078713"   "5080102"  <br>"5080660"   "5100388"   "5108390"  <br>"5147355"   "5178133"  <br>"5207674"   "5217860"   "5222501"  <br>"5224943"   "5228923"  <br>"5231995"   "5232516"   "5254116"  <br>"5263493"   "5269291"  <br>"5275595"   "5277201"   "5281213"  <br>"5281215"   "5295484"  <br>"5295956"   "5309896"   "5316000"  <br>"5317878"   "5318525"  <br>"5322520"   "5323781"   "5324255"  <br>"5324284"   "5324286"  <br>"5334181"   "5334193"   "5348554"  <br>"5353783"   "5354258"  <br>"5361752"   "5385148"   "5396887"  <br>"5397304"   "5400770").PN. OR<br>("5400783"   "5403309"   "5403311"  <br>"5405376"   "5409483"  <br>"5423807"   "5423811"   "5427119"  <br>"5431649"   "5433708"  <br>"5435308"   "5437651"   "5443463"  <br>"5443470"   "5450843"  <br>"5452582"   "5452733"   "5462545"  <br>"5465717"   "5469853"  <br>"5472876"   "5478309"   "5478330"  <br>"5486103"   "5487385" | US-PGPUB; OR<br>USPAT;<br>USOCR | OFF | 2008/01/05 22:18 |
|-----|-----|---|---------------------------------|-----|------------------|

## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S25 | 1  | ("6905475").URPN.  | USPAT                        | OR | OFF | 2008/01/05 22:18 |
| S26 | 22 | ("20020120238"   "20020143302"  <br>"20020151867"   "20030018298"  <br>"4461283"   "4674501"   "4892244"<br>  "5031814"   "5156315"  <br>"5292330"   "5306284"   "5322503"<br>  "5542948"   "5562703"  <br>"5630794"   "5672171"   "5840061"<br>  "5861002"   "6033404"  <br>"6231591"   "6261537"  <br>"6461296").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/05 22:19 |

## EAST Search History

|     |    |   |                              |    |     |                  |
|-----|----|---|------------------------------|----|-----|------------------|
| S27 | 99 | (("6475753") or ("20030163111") or<br>("20040111055") or ("6376515") or<br>("6296847") or ("5685853") or<br>("6322790") or ("6383492") or<br>("5613951") or ("6203526") or<br>("4813928") or ("5354279") or<br>("6206930") or ("4413987") or<br>("4421505") or ("4578061") or<br>("4767415") or ("4776841") or<br>("4784646") or ("4865583") or<br>("4936835") or ("4960409") or<br>("5195988") or ("5300045") or<br>("5741271") or ("5836911") or<br>("5853399") or ("5882331") or<br>("5997547") or ("6004295") or<br>("6102887") or ("6113581") or<br>("6193763") or ("6258998") or<br>("6265387") or ("6287275") or<br>("6309375") or ("6346099") or<br>("6395958") or ("6408203") or<br>("6432081") or ("6444192") or<br>("7218962") or ("20010007937") or<br>("20010027296") or<br>("20030161824") or<br>("20030171723") or<br>("20030187320") or<br>("20040044329") or<br>("20050049459") or<br>("20050065483") or<br>("20060190022") or ("6262047") or<br>("6312924") or ("6333321") or<br>("6361985") or ("6369063") or<br>("6369080") or ("6416988") or<br>("6365163") or ("6469026") or<br>("6476046") or ("5674235") or<br>("6246894") or ("6312393") or<br>("6447443") or ("6455028") or<br>("20060079873") or ("4490137") or<br>("5730418") or ("5911703") or<br>("6221065") or ("6221065") or<br>("4296747") or ("4320001") or<br>("4968302") or ("5423791") or<br>("5425580") or ("5451210") or<br>("5735841") or ("6071272") or<br>("6092738") or ("4251479") or<br>("4367737") or ("4400171") or<br>("4403986") or ("4420358") or<br>("4463725") or ("4543094") or<br>("4790829") or ("4904329") or<br>("4915700") or ("4946443") or<br>("4958430") or ("4986138") or<br>("5176662") or ("5211638") or<br>("5232457") or ("5239773") or<br>("5257980")).PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2008/01/05 22:19 |
|-----|----|---|------------------------------|----|-----|------------------|